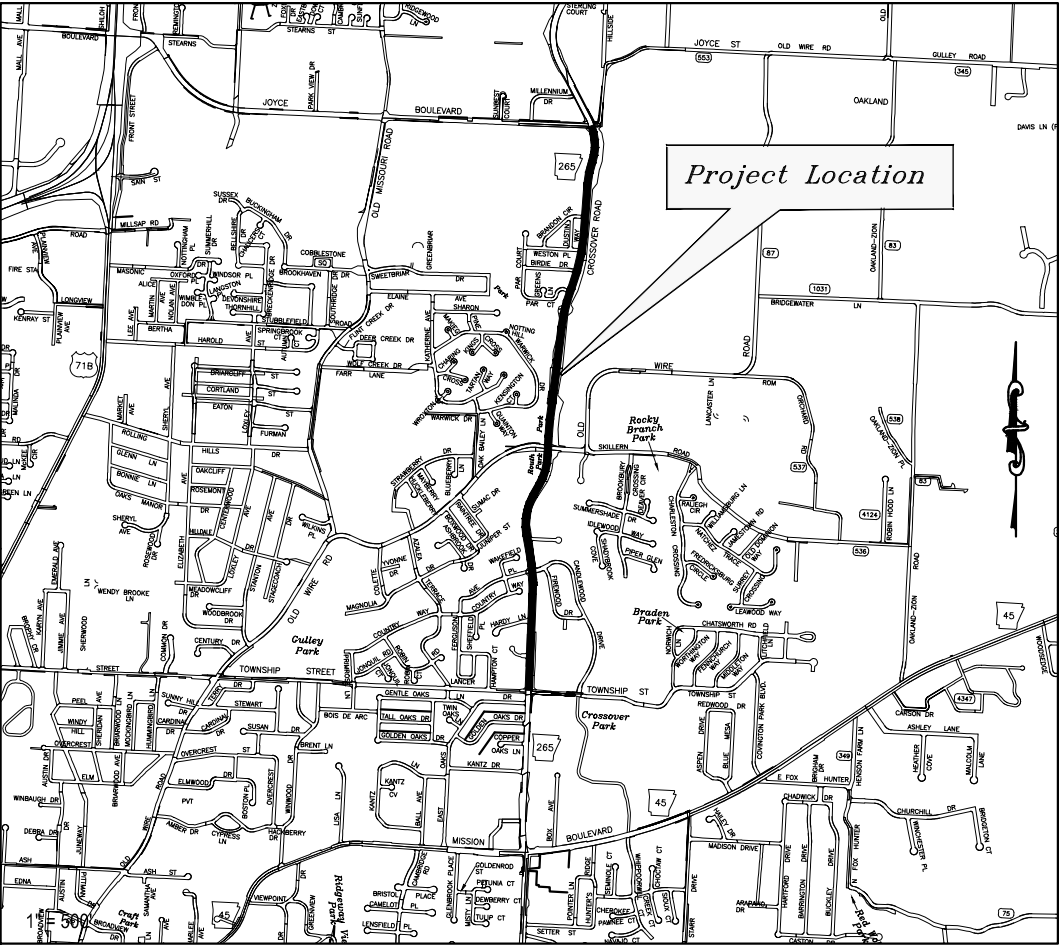


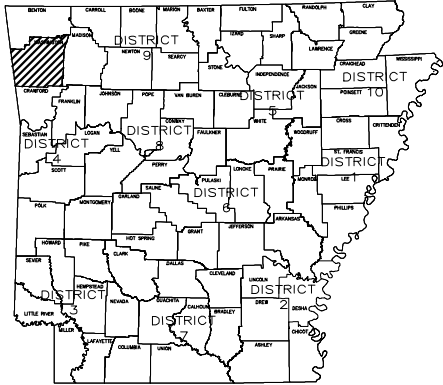
# CROSSOVER ROAD TREE PLANTING-PHASE I TOWNSHIP ST. TO JOYCE BLVD.

*for the*  
**City of Fayetteville**



VICINITY MAP

PLAN INDEX	
SHEET NO.	DESCRIPTION
1	COVER & INDEX
2	PLAN SHEET
3	PLAN SHEET
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9	LANDSCAPE DETAILS AND NOTES
10	IRRIGATION DETAILS AND NOTES
TC-1	TRAFFIC CONTROL
TC-2	TRAFFIC CONTROL
TC-3	TRAFFIC CONTROL
SHS-1	STANDARD HIGHWAY SIGNS
SHS-2	STANDARD HIGHWAY SIGNS

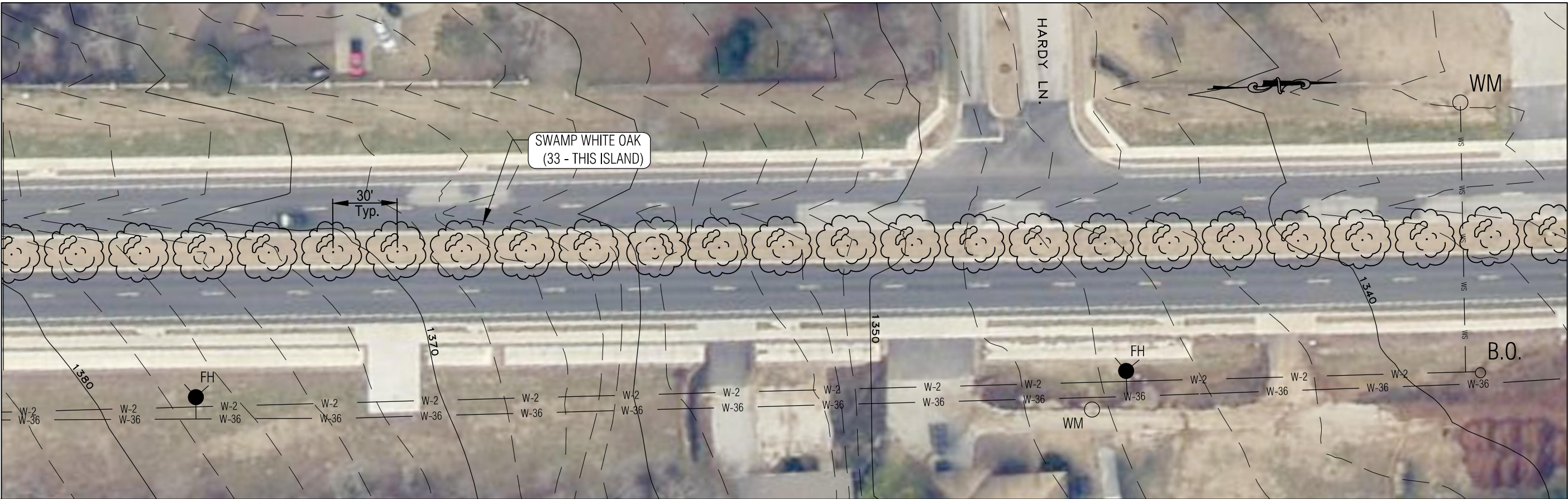
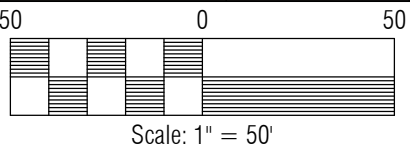


ARK.HWY.DIST.NO.4



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**ENGINEERING DIVISION**  
PHONE: (479) 575-8206  
FAX NO: (479) 575-8202  
PROJECT: ENGR. No. 8126





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DRAWN BY: JTS  
DESIGNED BY: -  
FILE NAME: Crossover Islands.dwg

**CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
PLAN SHEET**

TITLE:

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**ENGINEERING DIVISION**  
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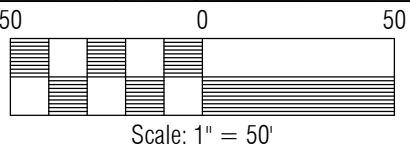
CITY OF  
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ARKANSAS

DATE:  
January 15, 2015  
SHEET:

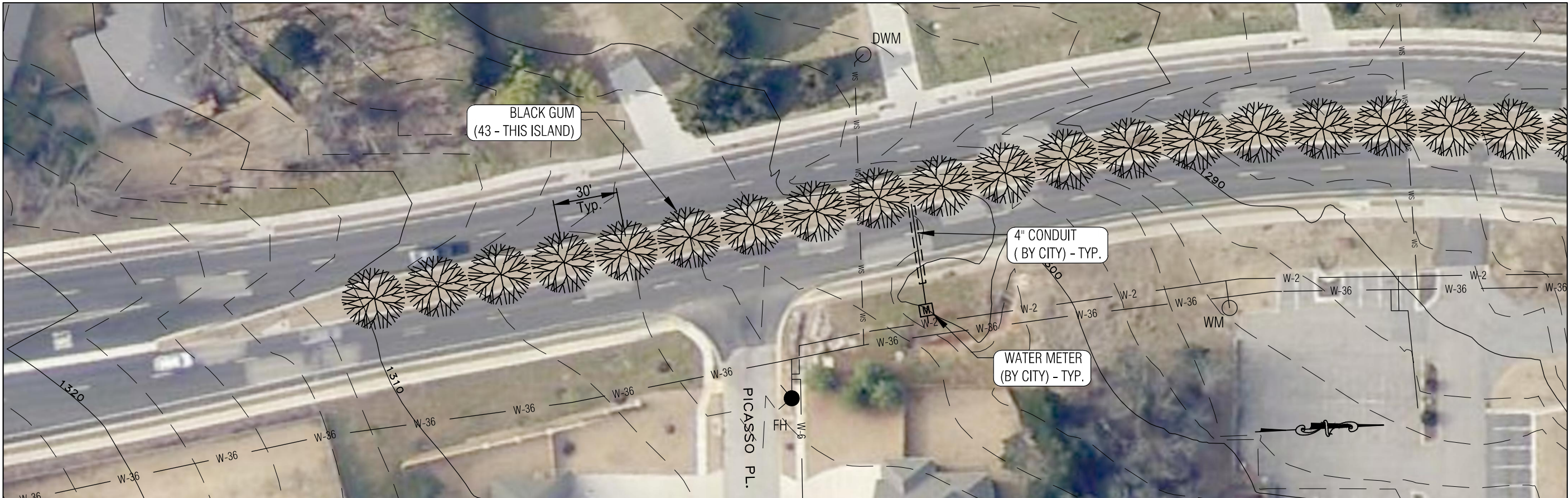
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Crossover Islands



MATCHLINE SHEET 2



MATCHLINE



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FILE NAME:	Crossover Islands.dwg

**CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
PLAN SHEET**

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**ENGINEERING DIVISION**  
113 W. MOUNTAIN STREET  
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FAX NOS. (479) 575-8202

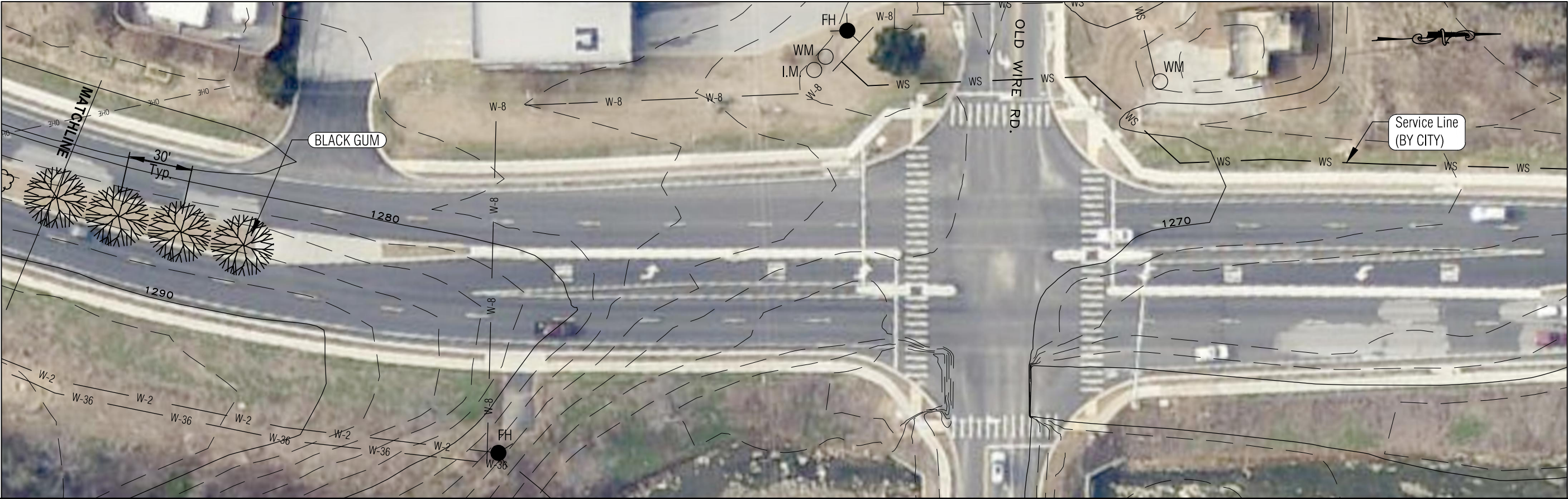
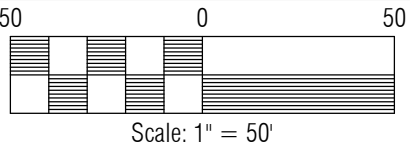
**Fayetteville**  
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CITY OF

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PROJECT:  
Crossover Islands





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CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
PLAN SHEET

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113 W. MOUNTAIN STREET  
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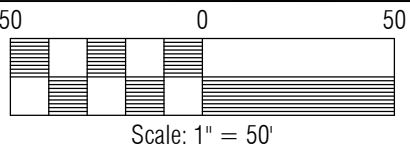
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MATCHLINE-SHEET 4



MATCHLINE

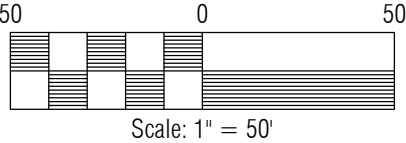


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TITLE: CROSSOVER ROAD TREE PLANTING - PHASE 1 TOWNSHIP ST. to JOYCE BLVD. PLAN SHEET	
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PROJECT: Crossover Islands	

MATCHLINE-SHEET 6



MATCHLINE - SHEET 5



MATCHLINE

CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
PLAN SHEET

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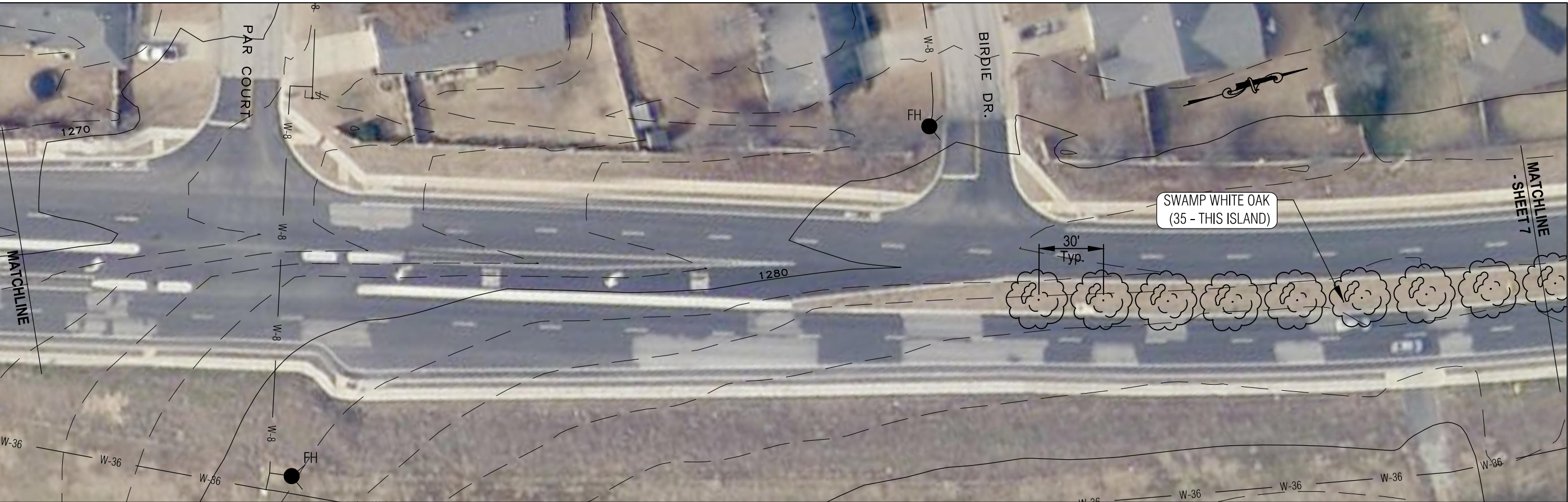
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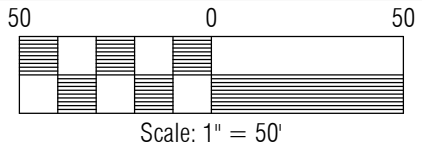
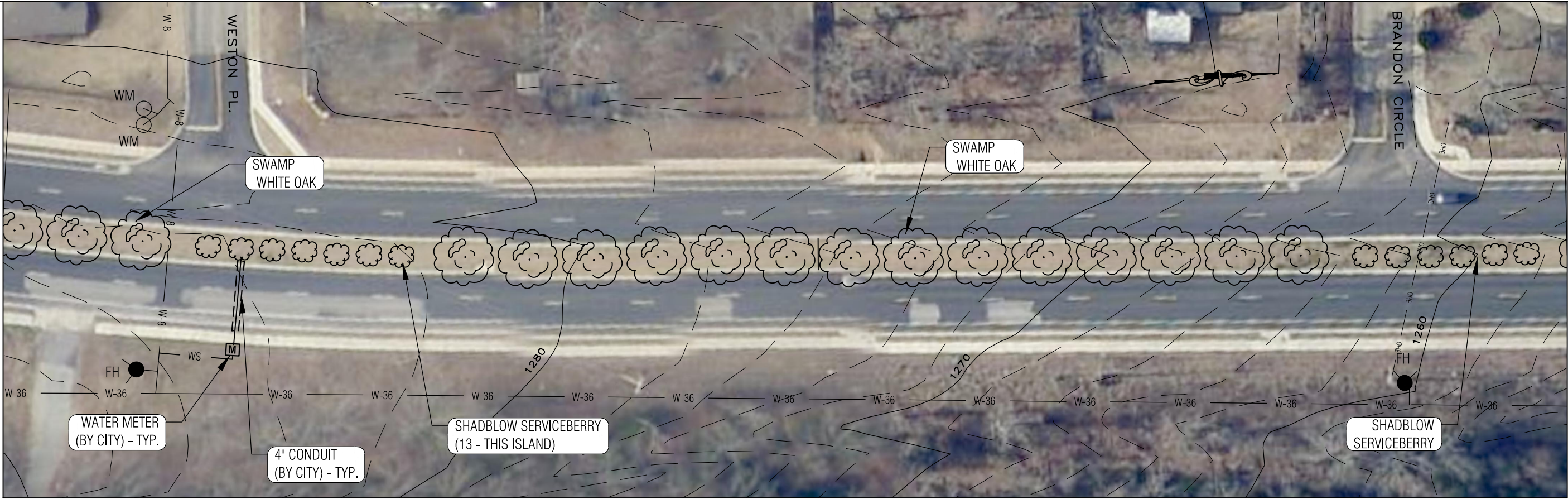


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- SHEET 7



MATCHLINE - SHEET 6



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**CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
PLAN SHEET**

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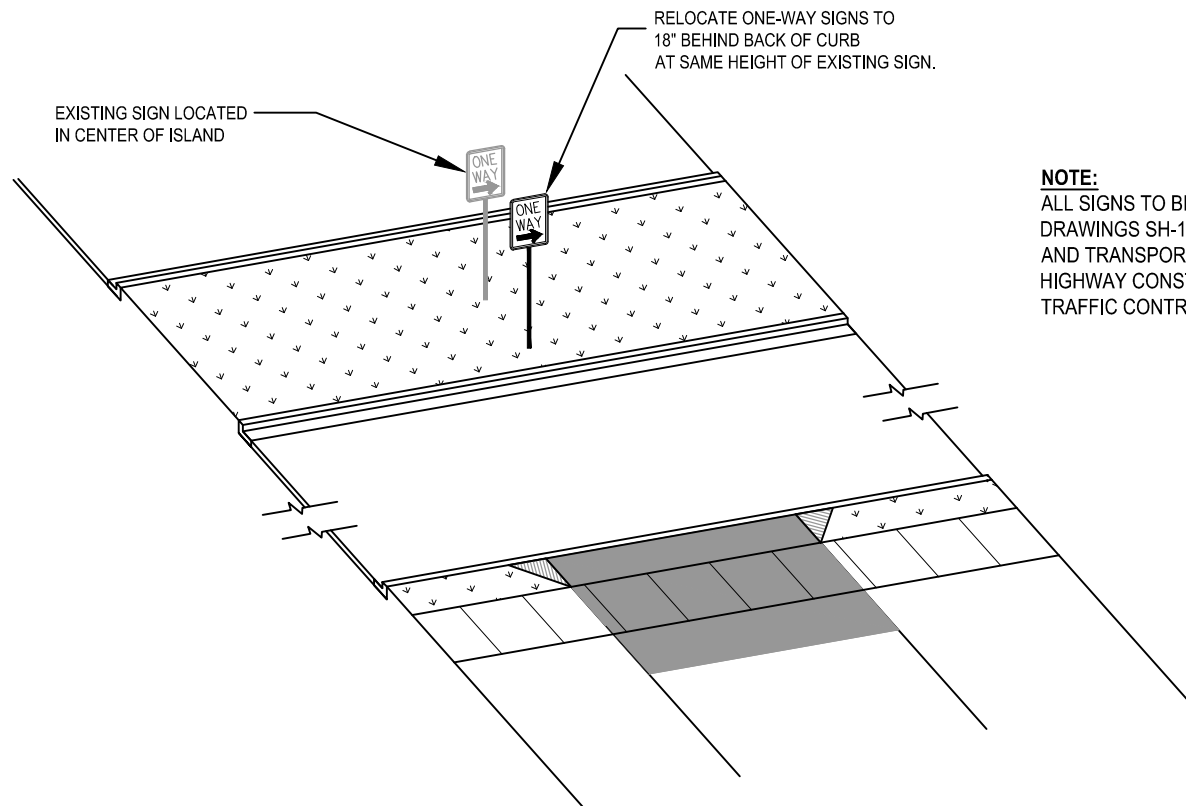
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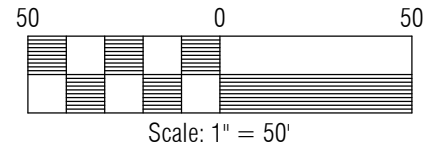
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PROJECT:	Crossover Islands



MATCHLINE - SHEET 7



**NOTE:**  
ALL SIGNS TO BE INSTALLED PER A.H.T.D. STANDARD  
DRAWINGS SH-1 AND SHS-2 AND THE ARKANSAS HIGHWAY  
AND TRANSPORTATION STANDARD SPECIFICATIONS FOR  
HIGHWAY CONSTRUCTION, LATEST EDITION, DIVISION 700,  
TRAFFIC CONTROL FACILITIES.



**ONE-WAY SIGN RELOCATION**  
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**CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
PLAN SHEET**

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CITY OF  
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ARKANSAS

DATE:  
January 15, 2015  
SHEET:

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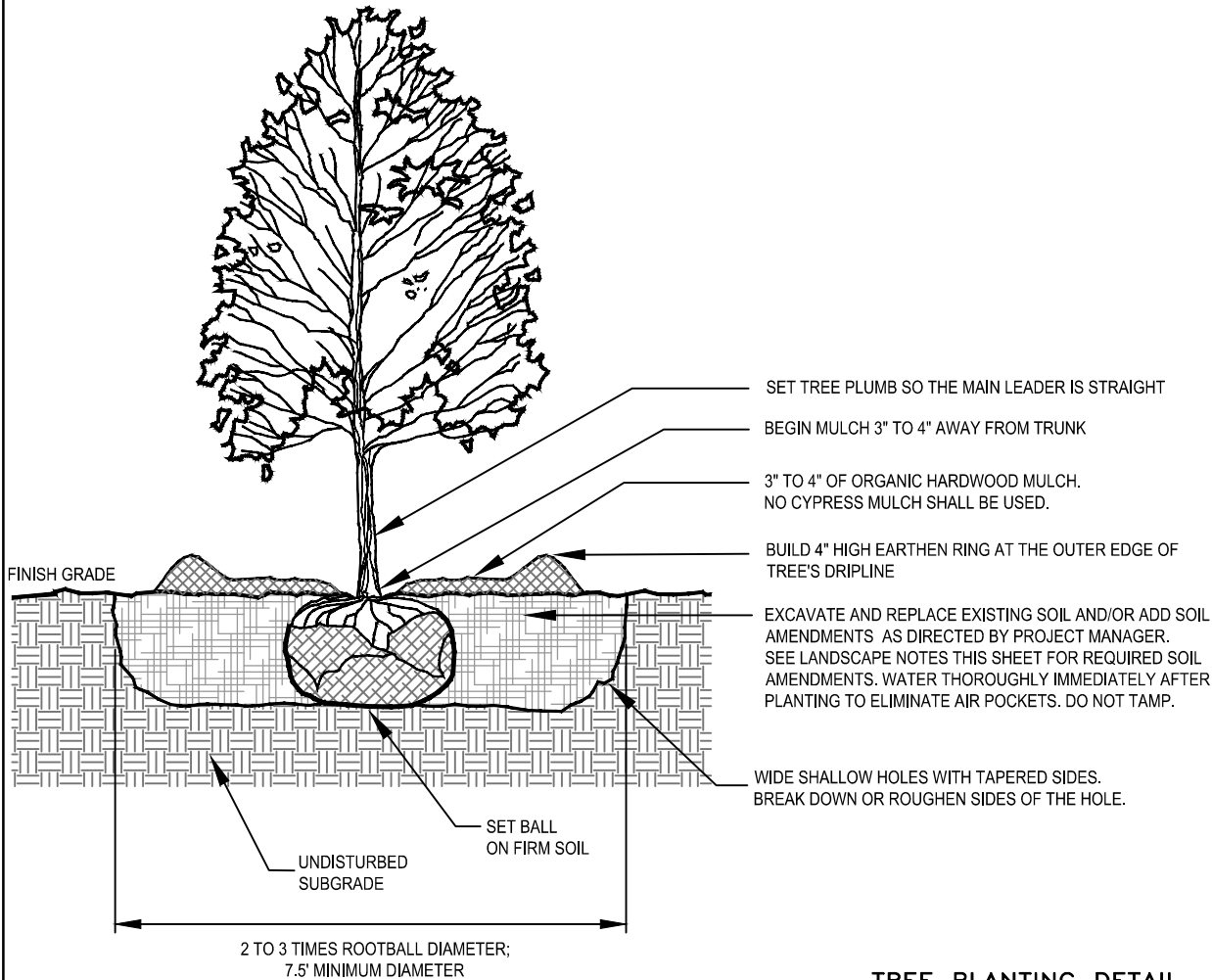
PROJECT:  
Crossover Islands



TREE PLANTING NOTES:

1. TREES SHALL BE 2" CALIPER MINIMUM.
2. THE HOLE FOR THE TREE SHALL BE EXCAVATED 2-3 TIMES THE SIZE OF THE ROOT BALL; MINIMUM DIAMETER SHALL BE 7.5 FEET.
3. STAKE ONLY IF NECESSARY AND AS DIRECTED BY THE PROJECT MANAGER.
4. REMOVE ANY TWINE, STEEL WIRE, ROPE, FLAGGING, WRAPPING, OR GUARDS FROM TREE.
5. PRUNE ONLY DEAD OR BROKEN BRANCHES OR DOUBLE LEADERS AT TIME OF PLANTING.
6. ROOTBALL - ROOT COLLAR SHALL BE VISIBLE. REMOVE EXCESS SOIL FROM TOP OF BALL IF NEEDED. SET TOP OF BALL 1" TO 2" ABOVE FINISHED GRADE TO ALLOW FOR SETTLING. AFTER SETTING BALL IN PLANTING HOLE, CUT AWAY OR REMOVE THE ENTIRE WIRE BASKET. CUT OR REMOVE ALL ROPES OR TWINE FROM BALL. CUT AWAY OR REMOVE BURLAP. IF ROOTBALL BEGINS FALLING APART DURING INSTALLATION OR WHILE REMOVING THE WIRE BASKET, CUT AWAY ONLY HALF OF THE BURLAP.

TREE/SHRUB PLANTING LIST					
COMMON	SWAMP WHITE OAK	LONDON PLANETREE	FRUITLESS KENTUCKY COFFEETREE	BLACKGUM	SHADBLOW SERVICEBERRY
BOTANICAL	QUERCUS BICOLOR	PLATANUS X ACERIFOLIA	GYMNOCLADUS DIOICUS(FRUITLESS CULTIVAR REQUIRED)	NYSSA SYLVATICA	AMELANCHIER CANADENSIS
CULTIVARS		OPTIONAL: "COLUMBIA" OR "LIBERTY"	REQUIRED: "ESPRESSO" OR "J.C. MCDANIEL (PRARIE TITAN)"		
MINIMUM SIZE	2" B&B	2" B&B	2" B&B	2" B&B	5 GALLON
SPACING	30' O.C.	30' O.C.	30' O.C.	30' O.C.	15' O.C.
LOCATION	AS SHOWN ON PLAN	AS SHOWN ON PLAN	AS SHOWN ON PLAN	AS SHOWN ON PLAN	AS SHOWN ON PLAN
TOTAL NUMBER	70	13	55	43	31
ALTERNATIVE TREES: IN THE EVENT THAT A SPECIES IS NOT AVAILABLE, REPLACE WITH ONE OF THE FOLLOWING (REFERENCE SP2 FOR REQUIEMENTS)					
COMMON	THORNLESS HONEYLOCUST			NUTTALL OAK	
BOTANICAL	GLEDITSIA TRIACANTHOS VAR. INERMIS			QUERCUS NUTALLI OR TEXANA	
CULTIVARS	OPTIONAL: "STREET KEEPER" OR "SHADEMASTER"				



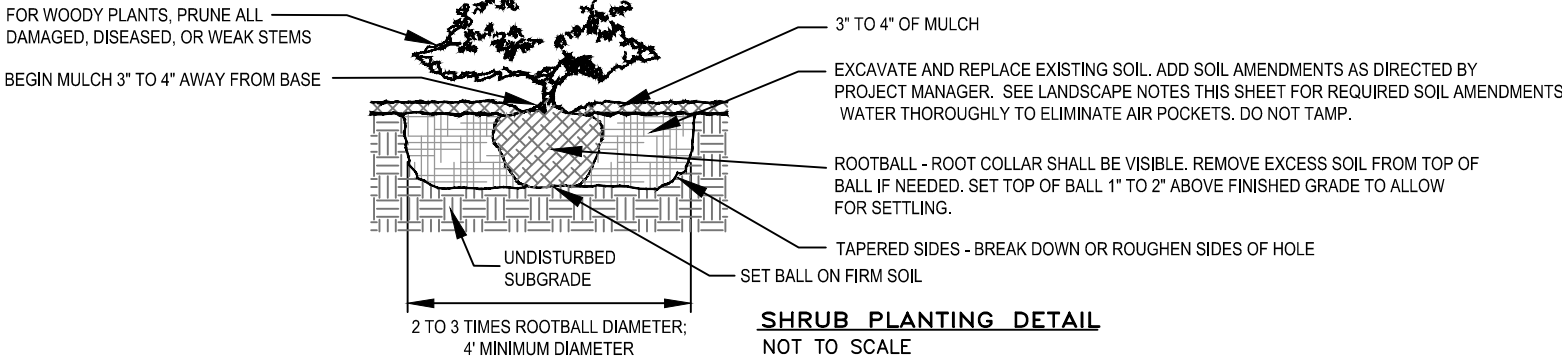
TREE PLANTING DETAIL  
NOT TO SCALE

LANDSCAPE NOTES:

1. BEFORE PLANTING, AMEND SOIL AT PLANTING LOCATION AS SHOWN ON TREE/SHRUB PLANTING DETAIL AND FURTHER DESCRIBED BELOW:
  - a. Field ID: CANDLEW (Sample Number: 3226783) use: 2/3 existing soil with 1/3 mix of 50% topsoil and 50% compost at planting location. Mix in powder micro/macro nutrient product containing mycorrhizal fungi stimulator.
  - b. Field ID: FULXO (Sample Number: 3226785) use: 2/3 existing soil with 1/3 mix of 50% topsoil and 50% compost at planting location. Mix in powder micro/macro nutrient product containing mycorrhizal fungi stimulator.
  - c. Field ID: FIREST (Sample Number: 3226786) use: existing soil. Mix in powder micro/macro nutrient product containing mycorrhizal fungi stimulator at planting location.
2. REQUIRED AMENDMENTS FOR EACH TREE/SHRUB LOCATION WILL BE DETERMINED IN THE FIELD. FOR BIDDING PURPOSES, 1/3 OF THE TREES/SHRUBS WILL BE ASSUMED TO RECEIVE TREATMENT NOTED IN 1(a) ABOVE, 1/3 WILL BE ASSUMED TO RECEIVE (1b), AND 1/3 WILL BE ASSUMED TO RECEIVE 1(c).
3. SOIL Ph SHOULD BE ABOVE 5 - PREFERABLY BETWEEN 6.0 AND 6.5. IMPORTED SOIL SHOULD BE TESTED TO DETERMINE LIME AND FERTILIZER RATES.
4. ALL PLANTS MUST BE HEALTHY, VIGOROUS AND FREE OF PESTS AND DISEASE.
5. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
6. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED ON THE PLANT LIST.
7. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED, UNLESS SPECIFIED OTHERWISE, AND MUST MEET ALL REQUIREMENTS SPECIFIED.
8. ALL TREES AND SHRUBS SHALL BE INSTALLED PER STANDARD CITY OF FAYETTEVILLE PLANTING DETAILS.
9. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE CITY OF FAYETTEVILLE BEFORE, DURING, AND AFTER CONSTRUCTION.
10. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED WITH A 4" LAYER OF ORGANIC HARDWOOD MULCH. MULCH SHALL NOT BE PLACED IMMEDIATELY ADJACENT TO TREE TRUNKS, BUT SHALL BE KEPT AT LEAST 3" FROM ROOT COLLAR AT THE SOIL LINE. MULCH SHALL BE CLEAN, FREE OF DEBRIS, WEEDS, DISEASE, INSECTS, PESTS, EGGS, OR LARVAE. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. MULCH WILL BE PROVIDED BY CITY OF FAYETTEVILLE, HOWEVER, CONTRACTOR WILL BE RESPONSIBLE FOR PICKUP/DELIVERY AND INSTALLATION. THE FACILITY IS LOCATED AT 1708 S. ARMSTRONG AVE. AND ARRANGEMENTS FOR PICKUP DAY/TIME CAN BE MADE BY CONTACTING JEFF COLES AT (479) 575-8227.
12. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION AT NO COST TO THE OWNER.
13. ANY DAMAGE TO EXISTING FEATURES, INCLUDING UTILITIES, NOT SPECIFICALLY CALLED OUT FOR REMOVAL/REPLACEMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE FIXED OR REPLACED AS DIRECTED BY AND AT NO ADDITIONAL COST TO THE OWNER.
14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
15. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING MATERIAL (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) IN ALL PLANTING AREAS DURING CONSTRUCTION UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER. REFERENCE SP-2 FOR ADDITIONAL WARRANTY REQUIREMENTS.
16. ANY MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
17. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO ANY PLANTING. LOCATE ALL UTILITIES, IRRIGATION LINES AND SITE LIGHTING CONDUITS BEFORE CONSTRUCTION BEGINS.
18. ALL STREET TREES SHALL BE 2" MINIMUM CALIPER, WITH A SINGLE DOMINATE CENTRAL LEADER. MULTI-LEADERED TREES WILL NOT BE ACCEPTABLE WITHOUT PRIOR APPROVAL FROM URBAN FORESTRY.

SHRUB PLANTING NOTES:

1. SHRUBS SHALL BE MINIMUM 5 GALLON.
2. THE HOLE FOR THE SHRUB SHALL BE EXCAVATED 2-3 TIMES THE SIZE OF THE ROOT BALL; MINIMUM DIAMETER SHALL BE 4 FEET.
3. REMOVE ANY TWINE, ROPE, FLAGGING, WRAPPING, OR GUARDS FROM SHRUB.
4. PRUNE ONLY DEAD OR BROKEN BRANCHES OR DOUBLE LEADERS AT TIME OF PLANTING.
5. ROOTBALL - ROOT COLLAR SHALL BE VISIBLE. REMOVE EXCESS SOIL FROM TOP OF BALL IF NEEDED. SET TOP OF BALL 1" TO 2" ABOVE FINISHED GRADE TO ALLOW FOR SETTLING. AFTER SETTING BALL IN PLANTING HOLE, CUT AWAY OR REMOVE THE ENTIRE WIRE BASKET. CUT OR REMOVE ALL ROPES OR TWINE FROM BALL. CUT AWAY OR REMOVE BURLAP. IF ROOTBALL BEGINS FALLING APART DURING INSTALLATION OR WHILE REMOVING THE WIRE BASKET, CUT AWAY ONLY HALF OF THE BURLAP.



SHRUB PLANTING DETAIL  
NOT TO SCALE

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JS

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CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
LANDSCAPE DETAILS AND NOTES

TITLE:

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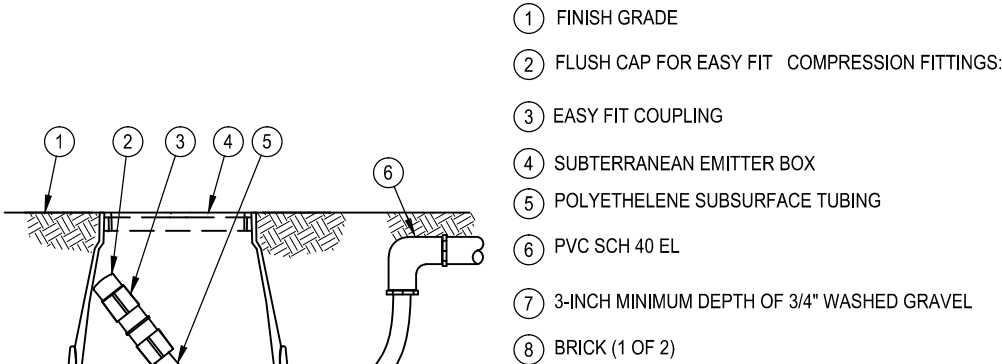
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PROJECT:  
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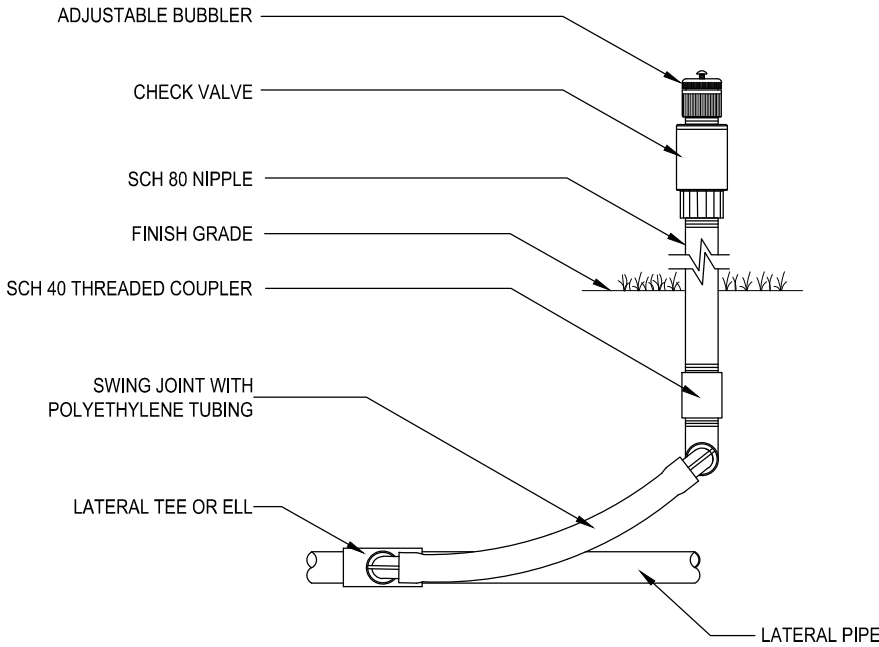
IRRIGATION NOTES:

1. CITY OF FAYETTEVILLE WILL PROVIDE WATER SERVICE, INCLUDING TAPPING THE MAIN, INSTALLING REQUIRED SERVICE LINE AND INSTALLING WATER METER. THESE ITEMS SHOULD NOT BE INCLUDED IN BASE BID.
2. ALL OTHER ITEMS NOT MENTIONED IN NOTE 1 ABOVE ASSOCIATED WITH PROVIDING A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM SHALL BE PROVIDED IN BASE BID.
3. IRRIGATION SYSTEM SHALL INCLUDE A SINGLE EMITTER AT EACH PLANT. EMITTERS SHALL BE CAPABLE OF DISTRIBUTING 0.6 GALLONS PER HOUR EVENLY TO EACH PLANT THROUGHOUT EACH ZONE.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING PROPOSED IRRIGATION LAYOUT, INCLUDING NUMBER OF ZONES PROPOSED, FOR OWNER APPROVAL PRIOR TO ORDERING OR INSTALLING ANY IRRIGATION COMPONENTS. THE DRAWINGS SHALL INCLUDE ALL ITEMS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL IRRIGATION SYSTEM.
5. CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, INCLUDING PLUMBING PERMITS, ASSOCIATED WITH INSTALLATION OF SYSTEM.

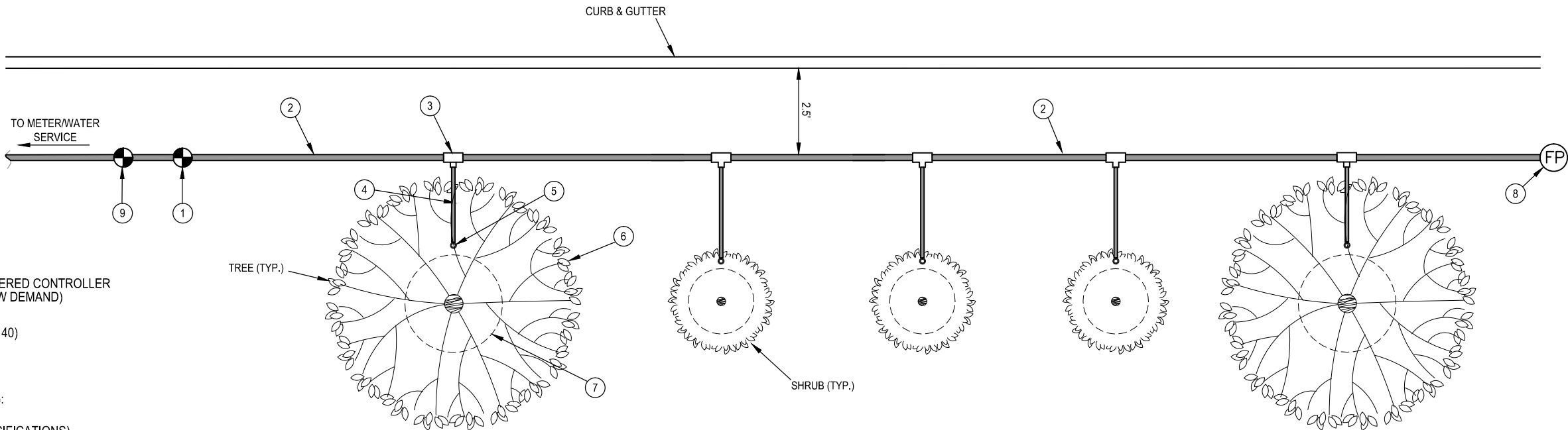


NOTE:  
1. ALLOW A MINIMUM OF 6-INCHES OF TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

FLUSH POINT



RISER ASSEMBLY



- 1 ZONE CONTROL KIT WITH BATTERY POWERED CONTROLLER (SIZED TO ACCOMMODATE LATERAL FLOW DEMAND)
- 2 PVC SUBSURFACE MANIFOLD PIPE (SCH. 40)
- 3 PVC SCH 40 TEE OR EL
- 4 1/2" POLYETHYLENE SUBSURFACE TUBING:
- 5 FULLY ADJUSTABLE BUBBLER (SEE SPECIFICATIONS)
- 6 PROJECTED CANOPY LINE OF TREE OR SHRUB (TYPICAL)
- 7 ROOT BALL (TYPICAL)
- 8 FLUSH POINT (SEE DETAIL THIS SHEET)
- 9 BACKFLOW PREVENTER WITH BOX (PER CITY OF FAYETTEVILLE SPECIFICATIONS)

IRRIGATION LAYOUT  
MULTIPLE TREE/SHRUB DETAIL

NOTES:  
1. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

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DESIGNED BY:	-
FILE NAME:	Crossover Islands.dwg

CROSSOVER ROAD  
TREE PLANTING - PHASE 1  
TOWNSHIP ST. to JOYCE BLVD.  
IRRIGATION DETAILS AND NOTES

TITLE:

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ENGINEERING DIVISION  
113 W. MOUNTAIN STREET  
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PHONE NO. (479) 575-4200  
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CITY OF  
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Crossover Islands